



FFFFFFFFF	000000	RRRRRRRR	DDDDDDDD	AAAAAA	TTTTTTTTT	EEEEEEEEEE	DDDDDDDD	SSSSSSSS	
FFFFFFFFF	000000	RRRRRRRR	DDDDDDDD	AAAAAA	TTTTTTTTT	EEEEEEEEEE	DDDDDDDD	SSSSSSSS	
FF	00	RR	DD	AA	TT	EE	DD	SS	
FF	00	RR	DD	AA	TT	EE	DD	SS	
FF	00	RR	DD	AA	TT	EE	DD	SS	
FF	00	RR	DD	AA	TT	EE	DD	SS	
FFFFFFFFF	00	RRRRRRRR	DD	AA	TT	EEEEEEEE	DD	SSSSSS	
FFFFFFFFF	00	RRRRRRRR	DD	AA	TT	EEEEEEEE	DD	SSSSSS	
FF	00	RR	DD	AAAAA	TT	EE	DD	SS	
FF	00	RR	DD	AAAAA	TT	EE	DD	SS	
FF	00	RR	DD	AAAAA	TT	EE	DD	SS	
FF	00	RR	DD	AAAAA	TT	EE	DD	SS	
FF	00	RR	DD	AAAAA	TT	EE	DD	SS	
FF	000000	RR	DDDDDDDD	AA	TT	EEEEEEEEEE	DDDDDDDD	SSSSSSSS	....
FF	000000	RR	DDDDDDDD	AA	TT	EEEEEEEEEE	DDDDDDDD	SSSSSSSS	....

  

LL	IIIIII	SSSSSSSS	
LL	IIIIII	SSSSSSSS	
LL	II	SS	
LL	II	SS	
LL	II	SS	
LL	II	SS	
LL	II	SSSSSS	
LL	II	SSSSSS	
LL	II	SS	
LL	II	SS	
LL	II	SS	
LL	II	SS	
LLLLLLLLLL	IIIIII	SSSSSSSS	
LLLLLLLLLL	IIIIII	SSSSSSSS	

(2)	52	HISTORY	; Detailed Current Edit History
(3)	62	DECLARATIONS	
(4)	89	FOR\$DATE_T_DS	- return system date to FORTRAN string



```
0000 1 .TITLE FOR$DATE_T_DS ; return system date to FORTRAN
0000 2 ; character string
0000 3 .IDENT /1-002/ ; File: FORDATEDS.MAR
0000 4
0000 5
0000 6 *****
0000 7 *
0000 8 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
0000 9 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
0000 10 * ALL RIGHTS RESERVED. *
0000 11 *
0000 12 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
0000 13 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
0000 14 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
0000 15 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
0000 16 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
0000 17 * TRANSFERRED. *
0000 18 *
0000 19 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
0000 20 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
0000 21 * CORPORATION. *
0000 22 *
0000 23 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
0000 24 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
0000 25 *
0000 26 *
0000 27 *****
0000 28
0000 29
0000 30 FACILITY: FORTRAN SYSTEM ROUTINE - FORTRAN LIBRARY
0000 31 ++
0000 32 ABSTRACT:
0000 33 Return system date in the form DD-MMM-YY to a FORTRAN (fixed-len)
0000 34 string.
0000 35
0000 36 --
0000 37
0000 38 VERSION: 0
0000 39
0000 40 HISTORY:
0000 41
0000 42 AUTHOR:
0000 43 Jonathan M. Taylor, 23-Aug-77: Version 0
0000 44
0000 45 MODIFIED BY:
0000 46
0000 47 0-1 original JMT 23-Aug-77
0000 48 0-2 squeezed a byte out. JMT 29-Jan-78
0000 49
0000 50
```

FOR\$DATE\_T\_DS  
1-002

E 13  
; return system date to FORTRAN  
HISTORY ; Detailed Current Edit History

15-SEP-1984 23:50:21 VAX/VMS Macro V04-00  
6-SEP-1984 10:54:35 [FORRTL.SRC]FORDATEDS.MAR;1 Page 2  
(2)

0000 52 .SBTTL HISTORY ; Detailed Current Edit History  
0000 53  
0000 54  
0000 55 ; Edit History for Version 0 of FOR\$DATE\_T\_DS  
0000 56 ;  
0000 57  
0000 58 : 0-3 - Remove FOR\$FLAG\_JACKET. TNH 11-July-78  
0000 59 : 1-001 - Update version number and copyright notice. JBS 16-NOV-78  
0000 60 : 1-002 - Add "\_" to the PSECT directive. JBS 22-DEC-78

FOR\$DATE\_T\_DS  
1-002

: return system date to FORTRAN  
DECLARATIONS

F 13

15-SEP-1984 23:50:21  
6-SEP-1984 10:54:35

VAX/VMS Macro V04-00  
[FORRTL.SRC]FORDATEDS.MAR;1

Page 3  
(3)

```
0000 62 .SBTTL DECLARATIONS
0000 63
0000 64 :
0000 65 : INCLUDE FILES:
0000 66 : oerr.mar
0000 67 :
0000 68 :
0000 69 : EXTERNAL SYMBOLS:
0000 70 : none
0000 71 :
0000 72 :
0000 73 : MACROS:
0000 74 : none
0000 75 :
0000 76 :
0000 77 : PSECT DECLARATIONS:
0000 78 : .PSECT _FOR$CODE LONG, EXE, NOWRT, PIC, SHR
0000 79 :
0000 80 :
0000 81 : EQUATED SYMBOLS:
0000 82 : none
0000 83 :
0000 84 :
0000 85 : OWN STORAGE:
0000 86 : none
0000 87
```



```
0000 89      .SBTTL  FOR$DATE_T_DS - return system date to FORTRAN string
0000 90
0000 91      :++
0000 92      : FUNCTIONAL DESCRIPTION:
0000 93      :   Use system service ASCTIM to move system date to a local (stack)
0000 94      :   buffer.  Move the last 2 digits of date on top of 1st 2 -
0000 95      :   "1977" -> "7777".  Return this date to user string.
0000 96
0000 97      : CALLING SEQUENCE:
0000 98      :   CALL    FOR$DATE_T_DS (date_string.wt.ds)
0000 99
0000 100
0000 101     : INPUT PARAMETERS:
0000 102     :   date_string is the address of a fixed-len string.
0000 103
0000 104     : IMPLICIT INPUTS:
0000 105     :   NONE
0000 106
0000 107     : OUTPUT PARAMETERS:
0000 108     :   NONE
0000 109
0000 110     : IMPLICIT OUTPUTS:
0000 111     :   NONE
0000 112
0000 113     : COMPLETION CODES:
0000 114     :   NONE
0000 115
0000 116     : SIDE EFFECTS:
0000 117     :   NONE
0000 118
0000 119     :--
0000 120
0000 121
0000 122
0000 123     .ENTRY  FOR$DATE_T_DS,  ^M<R2,R3,R4,R5>
0000 124     SUBL    #12, SP          ; make room for date string
0000 125     MOVL    SP, R2          ; R2 -> room
0000 126     MOVL    R2, -(SP)      ; build a string descriptor for room
0000 127     MOVL    #^X10E000B, -(SP) ; len = 11
0000 128     MOVL    SP, R0          ; R0 -> src descriptor
0000 129     $ASCTIM_S (R0)          ; R2 -> date string
0000 130     MOVW    -9(R2), 7(R2)    ; mung up year
0000 131     MOVQ    @4(AP), R0       ; R0/R1 = string descriptor
0000 132     MOVCS    #9, (R2), #^A/ /, R0, (R1)
0000 133     ; move into dest buffer
0000 134     RET
0000 135
0000 136
0000 137     .END
```

```

      5E      0C      003C
      52      5E      D0
      7E      52      D0
7E      010E000B 8F      D0
      50      5E      D0
      0015
      07 A2      09 A2      B0
      50      04 BC      7D
61      50      20      62      09      2C
      04
      0034
      0034
      0034
```

FORDATE T\_DS  
Symbol table

; return system date to FORTRAN

H 13

15-SEP-1984 23:50:21  
6-SEP-1984 10:54:35

VAX/VMS Macro V04-00  
[FORRTL.SRC]FORDATEDS.MAR;1

Page 5  
(4)

FORDATE T\_DS 00000000 RG 01  
SYSSASCTIM \*\*\*\*\* G 01

-----  
! Psect synopsis !  
-----

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 ( 0.)	00 ( 0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
_FOR\$CODE	00000034 ( 52.)	01 ( 1.)	PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

-----  
! Performance indicators !  
-----

Phase	Page faults	CPU Time	Elapsed Time
Initialization	31	00:00:00.08	00:00:01.07
Command processing	117	00:00:00.53	00:00:03.66
Pass 1	102	00:00:00.58	00:00:03.24
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	38	00:00:00.32	00:00:01.46
Symbol table output	2	00:00:00.02	00:00:00.11
Psect synopsis output	2	00:00:00.02	00:00:00.12
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	294	00:00:01.56	00:00:09.69

The working set limit was 1050 pages.

1807 bytes (4 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.

137 source lines were read in Pass 1, producing 11 object records in Pass 2.

2 pages of virtual memory were used to define 2 macros.

-----  
! Macro library statistics !  
-----

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	2

15 GETS were required to define 2 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:FORDATEDS/OBJ=OBJ\$:FORDATEDS MSRC\$:FORDATEDS/UPDATE=(ENH\$:FORDATEDS)



0179 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

COMR50WD  
LIS

FORDATEDS  
LIS

FORDECOMO  
LIS

FORB  
LIS

COMSETST  
LIS

FORASSOC  
LIS

FORCLOSEF  
LIS

FORDATE  
LIS

FORCLOSE  
LIS

FORDECOMP  
LIS

FORDELETE  
LIS

COMRAD50  
LIS

COMUSEREX  
LIS

FORBITOPS  
LIS

FORDEFINE  
LIS

FORBACKSP  
LIS

FORCUTR  
LIS

FORDISPA  
LIS